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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/675,023	09/28/2000	Richard S. Burton	60944.3300	7669
7590 06/25/2004			EXAMINER	
SCOTT A. HORSTEMEYER			LEE, HSIEN MING	
THOMAS,KAYDEN,HORSTEMEYER & RISLEY, L.L.P. 100 GALLERIA PARKWAY			ART UNIT	PAPER NUMBER
SUITE 1750			2823	
ATLANTA, GA 30339			DATE MAILED: 06/25/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		MN
	Application No.	Applicant(s)
Office Action Comments	09/675,023	BURTON ET AL.
Office Action Summary	Examiner	Art Unit
	Hsien-Ming Lee	2823
Th MAILING DATE of this communication app Period for Reply	ears on the cover shet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period volume to reply within the set or extended period for reply will, by statute. Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be t y within the statutory minimum of thirty (30) da vill apply and will expire SIX (6) MONTHS fron , cause the application to become ABANDON	imely filed ays will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>30 A</u> This action is FINAL . 2b)⊠ This Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final. nce except for formal matters, p	
Disposition of Claims		
4) ⊠ Claim(s) <u>25,33,36-42,44,48-51,55-57 and 68-7</u> 4a) Of the above claim(s) is/are withdraw 5) ⊠ Claim(s) <u>25,33,36-42,49-51,68 and 69</u> is/are a 6) □ Claim(s) is/are rejected. 7) ⊠ Claim(s) <u>44, 48, 55-57 and 70</u> is/are objected to solve to restriction and/o	wn from consideration. llowed.	on.
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. So tion is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applica rity documents have been receiv u (PCT Rule 17.2(a)).	ntion No ved in this National Stage
	// .	
Attachment(s)	Aser	Min Le Gerpoux
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail	

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Art Unit: 2823

DETAILED ACTION

Remarks

- 1. The 112-second paragraph rejection to claims 36 and 44 and objection to claims 69 and 70 are withdrawn.
- 2. Claims 25, 33, 36-42, 44, 48-51, 55-57 and 68-70 are pending in the application.

Double Patenting

3. A rejection based on double patenting of the "same invention" type finds its support in the language of 35 U.S.C. 101 which states that "whoever invents or discovers any new and useful process ... may obtain a patent therefor ..." (Emphasis added). Thus, the term "same invention," in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re Ockert*, 245 F.2d 467, 114 USPQ 330 (CCPA 1957); and *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970).

A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the conflicting claims so they are no longer coextensive in scope. The filing of a terminal disclaimer <u>cannot</u> overcome a double patenting rejection based upon 35 U.S.C. 101.

4. Applicant is advised that should claims 36, 49-51 and 69 be found allowable, claims 44, 55-57 and 70 will be objected to under 37 CFR 1.75 as being a substantial duplicate thereof. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a *slight difference in wording*, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

In comparison, the **body** of two independent claims 36 are **identical** except *slight* difference in wording in preamble recitations, i.e. the preamble in claim 36 is "A method for forming an ohmic contact on a compound semiconductor layer of a semiconductor

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device comprising", whereas the preamble in claim 44 is "An ohmic contact to a compound semiconductor layer of a semiconductor device made by a method."

Although it is noted that claim 44 is a product-by-process claim, product-by-process claims are directed to the product no matter how actually made. *In re Taylor*, 149 USPQ 615, 617 (CCPA 1966). Consequently, it is the patentability of the **final product**, and **not** the patentability of the process, that must be determined in a product-by-process claim. *In re Thorpe*, 227 USPQ 964, 966 (CAFC 1985), *Ex parte Edwards* 231 USPQ 981, 983 (BdPatApp&Int 1986). Since preamble language in claim 44 does **not** constitute a structural limitation of the "ohmic contact", thus the preamble does **not** limit the claim and is of no significance to claim construction. See M.P.E.P. 2111.02. For the aforementioned reasons, claim 44 is treated as a substantially identical claim to claim 36.

Allowable Subject Matter

- 5. Claims 36, 25, 33, 37-42, 49-51, 68 and 69 are allowed.
- 6. Claim 44 would be allowable if rewritten or amended to overcome the objection under 37 CFR 1.75, as set forth in this Office action.
- 7. Claims 48, 55-57 and 70 are objected to as being dependent upon an objected base claim 44, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record neither teaches nor suggests that a reactive layer is nickel and an adhesive element chosen form chromium, titanium or silicon.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hsien-Ming Lee whose telephone number is 571-272-1863. The examiner can normally be reached on M-F (9:00 ~ 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 571-272-1855. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hsien-Ming Lee Primary Examiner Art Unit 2823

Spein Min Lee

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